ASSIGNMENT 4

Textbook Assignment: "Maintenance Control and Production Control" and "Maintenance Data System (MDS)." Pages 4-1 through 5-45.

THIS ASSIGNMENT IS A REVIEW OF CHAPTERS 4 AND 5 OF THE TEXTBOOK. IN ANSWERING THE QUESTIONS, REFER TO THE SITUATION DESCRIBED IN THE FIGURES IN THIS ASSIGNMENT, THE APPROPRIATE CHAPTER IN THE TEXTBOOK, AND TO REFERENCES DISCUSSED IN THE TEXTBOOK. QUESTIONS DO NOT FOLLOW TEXTBOOK ORDER.

You are attached to Sea Control Squadron 103 (VS-103) that is stationed at NAS East Coast. Your squadron flies the S-3 Viking and consists of 10 aircraft. You are assigned to maintenance control. Your duties include, but are not limited to: initiating maintenance action forms (MAFs); maintaining general aircraft files and aircraft discrepancy books (ADBs); providing input and preparation of the monthly maintenance plan, monthly maintenance summary (3M), aircraft summary data report (RECTYP 79 message), and the aircraft material readiness report; maintaining support equipment records; and researching and extracting data from maintenance, material, and flight data reports.

Figure 4-A

IN ANSWERING QUESTIONS IN THIS ASSIGNMENT, REFER TO THE INFORMATION IN FIGURE 4-A, INFORMATION IN THE TEXTBOOK, AND REFERENCES DISCUSSED IN THE TEXTBOOK.

Aircraft 160145 just returned from flight and has a blown mainmount. It will also need a hard landing inspection. Airframes will go in work on the discrepancies at 1300.

Figure 4-B

IN ANSWERING QUESTIONS 4-1 THROUGH 4-13, REFER TO THE INFORMATION IN FIGURE 4-B, INFORMATION IN THE TEXTBOOK, AND INFORMATION IN REFERENCES DISCUSSED IN THE TEXTBOOK.

4-1. What work center should assign the work center and the priority to perform the required maintenance on aircraft 160145?

1. Quality Assurance
2. Airframes
3. Maintenance Control
4. Material Control

4-2. When operating NALCOMIS OMA to initiate a MAF, what specific menu should you go to, to select the type of MAF to initiate?

1. Main menu
2. Initiate maintenance action menu
3. Maintenance menu
4. Update MAF menu

4-3. Maintenance control approves the MAF, assigns a JCN, and prints two copies of the MAF. What is the disposition of the two copies?

1. One copy is routed to QA, the second copy is sent to Airframes
2. One copy is routed to the maintenance technician, the second copy is sent to the maintenance chief
3. One copy is routed to Airframes, the second copy is placed on the right side of the ADB
4. One copy is placed on the left side of the ADB, the second copy is routed to Airframes

4-4. When Airframes goes IN WORK on the mainmount discrepancy, which of the following actions should Airframes take with regard to the MAF?

1. Update the MAF to an IN WORK status
2. Assign an MCN to the MAF
3. Update the MAF to an awaiting maintenance status
4. Assign a JCN to the MAF

4-5. Maintenance that is required to complete the mainmount discrepancy cannot be completed due to an awaiting parts situation. How should Airframes update the MAF's awaiting parts status?

1. By annotating the MAF copy in the ADB
2. By annotating AWP across the top of the work center copy of the MAF
3. By inputting electronically through the work center's video display terminal work station
4. By making necessary changes on the monthly production report

4-6. Airframes has completed work on the mainmount discrepancy. NALCOMIS will post the maintenance technician's CORRECTED BY signature and rate information only when what information has been entered into the system?

1. Technician's authorized log in and password
2. Technician's social security number
3. System's administrator's authorization
4. Airframes' log in and the technician's log in

4-7. Maintenance control must now clear the discrepancy. Maintenance control can retrieve the MAF from the NALCOMIS database by using either of what two codes?

1. WUC or JCN
2. MCN or TEC
3. DCN or WUC
4. MCN or JCN

4-8. After maintenance control approves the completed MAF, two copies are printed. One copy is placed on the left side of the ADB. For what period should this copy remain in the ADB?

1. 6 months or one complete phase cycle, whichever is greater
2. 6 months from block B30, the completion date
3. 10 subsequent flights
4. 10 consecutive discrepancies

4-9. After maintenance control clears the MAF, the maintenance analyst screens the MAF and finds two errors. What action should the analyst take?

1. Reject the MAF back to Airframes
2. Correct the MAF on immediately
3. Delete the MAF from the NALCOMIS database
4. Submit the erroneous MAF as is and make correction on the daily audit report

4-10. What type of inspection is the hard landing inspection?

1. Special
2. Conditional
3. Circumstantial
4. ASPA

4-11. Upon completion of the hard landing inspection, what record-keeping action is required to document the completion?

1. An aircraft logbook entry
2. An administrative message to the cognizant wing
3. An aircraft material readiness report
4. A RECTYP 79 report

4-12. After the hard landing inspection MAF is completed, a signature is posted to the MAF's ENTRIES REQUIRED SIGNATURE section. What does the signature in this section indicate?

1. Logs and records personnel have processed the MAF to data services
2. No further logbook entries are required or all applicable entries have been made
3. All tools and materials required to complete the job are accounted for
4. The MAF is correct in its entirety

4-13. The ENTRIES REQUIRED SIGNATURE for a NALCOMIS MAF is computer generated.

1. True
2. False

You have been informed that aircraft 160145 is due for a 14-day inspection. However, due to operational commitments, the inspection will not be performed as scheduled and the authorized deviation will be applied. Another aircraft, aircraft 164864, is due a 100-hour inspection. Due to the same operational commitments, the 100-hour inspection will be performed early at 85 hours.

Figure 4-C

IN ANSWERING QUESTIONS 4-14 THROUGH 4-21, REFER TO THE INFORMATION IN FIGURE 4-C, INFORMATION IN THE TEXTBOOK, AND INFORMATION IN REFERENCES DISCUSSED IN THE TEXTBOOK.

4-14. What type of inspection is the 14-day inspection?

1. Conditional
2. Daily
3. Special
4. Circumstantial

4-15. What is the authorized deviation for the 14-day inspection due on aircraft 160145?

1. Plus or minus 14 days
2. Plus or minus 10 days
3. Plus or minus 7 days
4. Plus or minus 3 days

4-16. On what document should accomplishment of the 14-day inspection be documented?

1. Aircraft Inspection and Acceptance Record
2. Monthly Maintenance Plan
3. Maintenance Action Form
4. Monthly Maintenance Summary

4-17. Upon initiation of the 14-day inspection document, it is placed inside the ADB. How long should it remain there?

1. For 10 subsequent flights
2. Plus or minus 3 days
3. Until completion of the inspection
4. 6 months from the block B30 completion date

4-18. After completion of the 14-day inspection, what block on the MAF indicates that the applicable MAF has been screened for aircraft logbook entries?

1. Corrected by
2. Inspected by
3. Entries required signature
4. Maintenance control

4-19. Which of the following actions should be taken for the missed inspection on aircraft 160145 after the authorized deviation has been applied and has expired?

1. The aircraft should be restricted from further use until completion of the inspection
2. Completion of the inspection should be delayed until the next 28-day inspection is due
3. A naval message should be submitted to the cognizant wing to request further instructions
4. Completion of the inspection should be delayed until the next 14-day inspection is due

4-20. The next 100-hour inspection due on aircraft 168864 is based on what information?

1. The date that the inspection was completed
2. The hour that the inspection was begun
3. The day that a JCN was assigned to the MAF
4. The hour that SCIR data was recorded

4-21. On what aircraft logbook record should an entry be made that indicates the reason for the deviation and the next 100-hour inspection due date for aircraft 168864?

1. Inspection Record (Periodical)
2. Miscellaneous/History
3. Inspection Record (Conditional)
4. Aircraft Inspection and Acceptance Record

Today is 3 April and your squadron just received an aircraft from NAS West Coast. The aircraft is in a fully operational status.

Figure 4-D

IN ANSWERING QUESTIONS 4-22 THROUGH 4-31, REFER TO THE INFORMATION IN FIGURE 4-D, INFORMATION IN THE TEXT, AND INFORMATION IN REFERENCES DISCUSSED IN THE TEXTBOOK.

4-22. Which of the following inspections or evaluations should be performed on the new aircraft?

1. Circumstantial
2. Special
3. Acceptance
4. ASPA

4-23. During the aircraft logbook screening process, you find the "Removal/Replacement" block blank on one of the SRC cards. What publication should you consult to find the correct removal and replacement schedule?

1. Work Unit Code manual
2. Periodic maintenance information cards
3. Maintenance requirements cards
4. NAMP

A. Verification of the Monthly Flight Summary and Equipment Operating Records
B. An inventory of equipment listed on the aircraft inventory records
C. Functional check flight
D. Engine test cell run

Figure 4-E

IN ANSWERING QUESTION 4-24, REFER TO FIGURE 4-D AND 4-E.

4-24. The inspection on the new aircraft includes what actions?

1. A and B only
2. C and D only
3. A, B, and C only
4. A, B, C, and D

4-25. Acceptance of the new aircraft should be documented on a MAF. What type MAF code should be used when your maintenance activity is operating under NALCOMIS OMA?

1. AA
2. AC
3. AI
4. AN

4-26. What inventory code should be used on the MAF to identify that the aircraft is fully operational?

1. A
2. 1
3. 2
4. 3

4-27. At 1430, work began on the inspection. What job status code should be assigned to the MAF?

1. IW
2. JC
3. WP
4. AM

4-28. Another MAF is needed to reflect a GAIN of the new aircraft. What transaction code should be assigned to the GAIN MAF?

1. 03
2. 02
3. 01
4. 00

4-29. What document should be updated to reflect the squadron's inventory and the new aircraft GAIN?

1. RECTYP 79 report
2. Monthly maintenance summary
3. Equipment Master Roster (E-00)
4. Monthly Aircraft Utilization report

4-30. The E-00 must also be updated. What work center should do the update?

1. Quality Assurance
2. Maintenance Control
3. Material Control
4. Maintenance Administration

4-31. Your squadron is scheduled to gain two additional aircraft this month. Which of the following documents is a likely source to find exactly when this aircraft will be received?

1. I-level MMP
2. O-level MMP
3. I-level Monthly Maintenance summary
4. O-level Monthly Maintenance summary

The maintenance officer (MO) has directed you to research information that is needed to complete a report that she is presently at work on.

Figure 4-F

IN ANSWERING QUESTIONS 4-32 THROUGH 4-36, REFER TO THE INFORMATION IN FIGURE 4-F, INFORMATION IN THE TEXTBOOK, AND INFORMATION IN REFERENCES DISCUSSED IN THE TEXTBOOK.

4-32. The MO needs a listing of what technical directives have been incorporated in aircraft 164643 and 158864 during the last reporting period. What MDR should you consult?

1. MDR-2
2. MDR-3
3. MDR4-1
4. MDR-5

4-33. The MO also needs to know how many heat exchanger systems failed and the number of man-hours expended in heat exchanger repair during the previous 3 months. What report should you consult?

1. MDR-6
2. MDR-7
3. MDR-9
4. MDR-12

4-34. Included in your report of heat exchanger repair should be a list of items that were removed and reinstalled with no known defects. What report should you use to find this information?

1. MDR-13
2. MDR-12
3. MDR-11
4. MDR-10

4-35. What MDR report should you consult to find how many flights were aborted (cancelled) due to mechanical failure?

1. MDR-13
2. MDR-12
3. MDR-6
4. MDR-5

4-36. Finally, the maintenance officer needs to know the status of all material requisitions outstanding against aircraft 168864. What report should you consult?

1. Aircraft Daily Status report
2. Aircraft/Equipment Workload report
3. Aircraft Material Readiness Report
4. Aircraft Material Status report

The maintenance chief has tasked you to initiate paperwork for the local manufacture of two hydraulic lines. Manufacture of these hydraulic lines is beyond the capability of your squadron.

Figure 4-G

IN ANSWERING QUESTIONS 4-37 THROUGH 4-40, REFER TO THE INFORMATION IN FIGURE 4-G, INFORMATION IN THE TEXTBOOK, AND INFORMATION IN REFERENCES DISCUSSED IN THE TEXTBOOK.

4-37. From what activity should you request assistance for the manufacture of the hydraulic lines?

1. SDLM
2. ACC
3. Supporting IMA
4. Supporting Wing

4-38. Manufacture of the hydraulic lines should be request on what form?

1. Request chit
2. MAF
3. Work Request customer Service
4. SDLM Work Request

4-39. What type MAF code should be used?

1. W R
2. M A
3. A M
4. A C

4-40. Upon initiation, the form for the local manufacture is delivered to the supporting activity. Who must approve and sign the form?

1. The MO
2. The maintenance control supervisor only
3. The production control supervisor only
4. The maintenance control and production control supervisors

The Systems Administrator/Analyst has requested your assistance in preparing this month's maintenance summary.

Figure 4-H

IN ANSWERING QUESTIONS 4-41 THROUGH 4-45, REFER TO THE INFORMATION IN FIGURE 4-H, INFORMATION IN THE TEXTBOOK, AND INFORMATION IN REFERENCES DISCUSSED IN THE TEXTBOOK.

A. High failure rate items
B. Man-hours that were expended in the repair of components with no known defect
C. Malfunction of components that caused flight cancellations
D. Items that have scheduled removal/replacement schedules and are to be removed during the month

Figure 4-I

IN ANSWERING QUESTION 4-41, REFER TO FIGURE 4-I.

4-41. What items should be included in the monthly maintenance summary?

1. A and B only
2. B and C only
3. A, B, and C only
4. A, B, C, and D

4-42. What report should you use to find the total number of days a component was in the repair cycle (turnaround time)?

1. MDR-3
2. MDR-9
3. SCIR 5-2
4. SCIR 5-3

4-43. Which of the following malfunction codes, found in MDR-11, identifies a corrosion treatment action?

1. 040
2. 170
3. 799
4. 814

4-44. The number of man-hours that were expended by maintenance control personnel in general record keeping is documented on the MDR-2, MDR-7, and MDR-12.

1. True
2. False

4-45. One page in the maintenance summary should report subsystem performance and mission capability. What reporting subsystem should you use to find this data?

1. SCIR
2. MR
3. MDR
4. NAVFLIR

Your squadron is currently deployed but is now in port. You have been asked to assist in preparation of the Aircraft Material Readiness Report and the Monthly Aircraft Summary Data report.

Figure 4-J

IN ANSWERING QUESTIONS 4-46 THROUGH 4-55, REFER TO THE INFORMATION IN FIGURE 4-J, INFORMATION IN THE TEXTBOOK, AND INFORMATION REFERENCES DISCUSSED IN THE TEXTBOOK.

4-46. What is the purpose of the Monthly Report of Aircraft Summary Data?

1. To provide a summarization of statistical data about an aircraft's capability to perform assigned missions
2. To notify the ACC of the squadron of potential maintenance- and supply-related problems
3. To identify critical shortages of experienced maintenance technicians
4. To keep the ACC of the squadron aware of the physical location of all aircraft

4-47. Equipment In Service (EIS), Equipment Out of Service (EOS), and Not Mission Capable, Partial Mission Capable, and Full Mission Capable data should be included in the Monthly Report of Aircraft Summary Data. Which of the following documents contain procedures for enumerating these elements?

1. OPNAVINST 4790.2
2. NAVAIR 00-25-300
3. OPNAVINST 5442.2
4. NAVAIRINST 13700.15

4-48. A message can be used to submit the Monthly Report of Aircraft Summary Data. What is the other authorized method to transmit this data?

1. By facsimile (FAX)
2. Naval letter
3. SALTS
4. DEERS

4-49. The Monthly Report of Aircraft Summary Data should arrive at the ACC not later than 2400 on the 10th day of the month after the report date. This deadline applies to what methods of data transmission?

1. FAX and naval letter
2. Naval letter and naval message
3. Naval message and SALTS
4. SALTS and DEERS

QUESTIONS 4-50 THROUGH 4-55 REFER TO THE AMRR THAT IS PREPARED FOR COMMANDERS WHO SUPPORT YOUR AIRWING.

4-50. The AMRR that includes data for your squadron should be submitted how often?

1. Daily
2. Weekly
3. Monthly
4. Semiannually

A. Next port visit, if in port
B. Next and last carrier onboard delivery (COD)
C. Significant maintenance- and supply-related problems impacting readiness
D. Number of aircraft due phase inspections

Figure 4-K

IN ANSWERING QUESTION 4-51, REFER TO FIGURE 4-K.

4-51. What types of data should you include in the AMRR?

1. A and B only
2. B and C only
3. A, B, and C only
4. A, B, C, and D

4-52. Repair of five aircraft listed on the AMRR can not be completed due to maintenance requirements. All five aircraft can perform at least one, but not all, of their assigned missions. What material readiness condition describes these aircraft?

1. OPCM
2. FMCM
3. PMCM
4. NMCM

4-53. Maintenance on three aircraft listed can not be completed due to a lack of parts and materials. Neither of the three aircraft can perform any of its assigned missions. What material readiness condition describes these aircraft?

1. NMCS
2. NMCM
3. OPCM
4. OPCS

4-54. Some aircraft can perform all of the missions that they were assigned with all equipment working. What aircraft material readiness condition describes these aircraft?

1. OPC
2. FMC
3. NMC
4. PMC

4-55. Which of the following shipboard divisions or departments shares responsibility for the preparation of the AMRR?

1. Engineering
2. AIMD
3. Deck
4. Air

QUESTIONS 4-56 THROUGH 4-61 REFER TO GENERAL OPERATING PROCEDURES FOR MAINTENANCE CONTROL AND PRODUCTION CONTROL.

4-56. For what minimum period of time should the FCF checklist be retained?

1. 6 months from the data in block B30 of the MAF completion date
2. One complete special inspection cycle
3. One complete phase inspection cycle or 6 months, which ever is longer
4. 3 months from completion date

4-57. Upon an aircraft's transfer, what should be the disposition of the ADB?

1. Retained by the transferring activity for 6 months
2. Forwarded to the National Records Center
3. Accompany the aircraft
4. Disposed of locally

4-58. What document is used to record technical directive compliance for the rework of SE or custody of SE?

1. OPNAV 4790/51
2. OPNAV 4790/52
3. OPNAV 4790/60
4. OPNAV 4790/66

4-59. What form should be used to document preoperational inspections that are performed on SE?

1. OPNAV 4790/138
2. OPNAV 4790/66
3. OPNAV 4790/60
4. OPNAV 4790/52

4-60. Which of the following computer-based automated systems is designed to track inventory, inspection scheduling, technical directive accounting, and subcustody management of SE?

1. SESS
2. ECAMS
3. ECOMTRAK
4. COMPUSEC

4-61. The current and two previous months is the required retention period for which of the following files or reports?

1. NALCOMIS data files
2. MDR reports
3. MMPs
4. Completed copy 1's of MAFs

A. NALCOMIS data files
B. Aircrewman's flight equipment file
C. General aircraft files
D. Technical directive compliance files

Figure 4-L

IN ANSWERING QUESTION 4-62, REFER TO FIGURE 4-L.

4-62. Upon transfer of an aircraft, what files should be included in the transfer package?

1. A and B only
2. B and C only
3. A and D only
4. A, C, and D